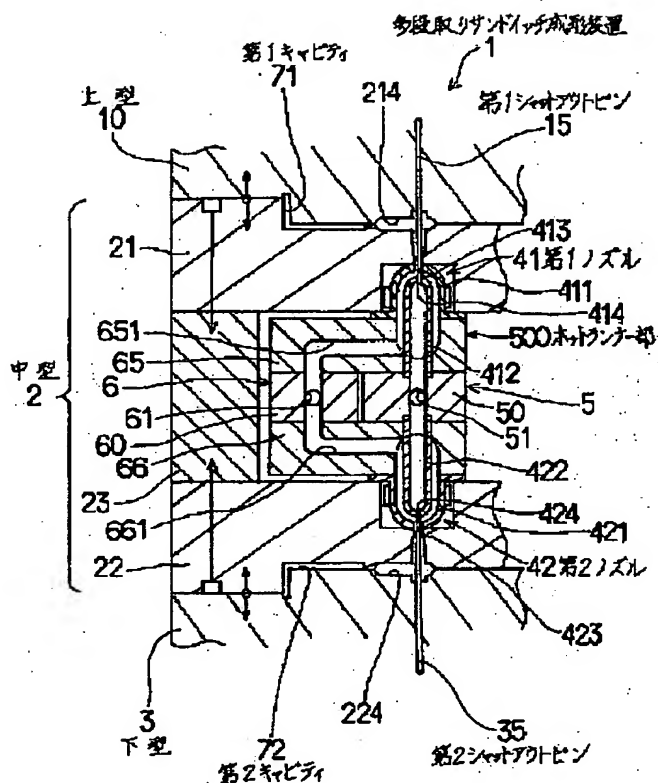


Patent Abstracts of Japan

TITLE : MULTISTAGE CAVITY SANDWICH
MOLDING DEVICE



SOLUTION: An intermediate force 2 has two nozzles 41, 42, and each of the nozzles 41, 42 has a hot runner part 500 for guiding a synthetic resin. The hot runner part 500 has a manifold 5 for a core material and a manifold 6 for a skin material. The manifold 5 for a core material is connected to each of inner nozzles 412, 422, and on the other hand, the manifold 6 for a skin material is connected to a stretch between outer nozzles 411, 421 and the inner nozzles 412, 422 respectively. A first shutout pin 15 which opens/closes an inner hole 414 from outside the nozzle is arranged on a top force 10; and a second shutout pin 35 which opens/closes an inner hole 424 from outside the nozzle is arranged on a bottom force 3, both shutout pins 15, 35 being movable forward/backward respectively.

COPYRIGHT: (C)1999,JPO